

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 2-2005)TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

DRE0151US.NP

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/555048

INTERNATIONAL APPLICATION NO.  
PCT/US2004/012965INTERNATIONAL FILING DATE  
28 April 2004PRIORITY DATE CLAIMED  
28 April 2003

## TITLE OF INVENTION

Boron Nitride-Aluminum (BAN) Interfaces and Coatings and Methods for Their Production and Use

## APPLICANT(S) FOR DO/EO/US

GOGOTSI, Yury and MCNALLAN, Michael J.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 23 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. US626224801US
23. ☒ Other items or information:
  - 1) Courtesy copy of the International Application;
  - 2) An unexecuted oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4));
  - 3) Return post card.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/555048</b>		INTERNATIONAL APPLICATION NO. <b>PCT/US2004/012965</b>		ATTORNEY'S DOCKET NUMBER <b>DRE0151US.NP</b>	
The following fees are submitted:				<b>CALCULATIONS</b>	<b>PTO USE</b>
24. <input checked="" type="checkbox"/> Basic national fee . . . . .				<b>\$300</b>	<b>\$ \$300.00</b>
25. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). . . . . All other situations. . . . .				<b>\$100</b> <b>\$200</b>	<b>\$ \$200.00</b>
26. <input checked="" type="checkbox"/> Search fee . . . . . Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority . . . . . International Search Report prepared and provided to the Office . . . . . All other situations. . . . .				<b>\$100</b> <b>\$400</b> <b>\$500</b>	<b>\$ \$100.00</b>
<b>TOTAL OF 24, 25 and 26 =</b>				<b>\$ \$600.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE		
22 - 100 =	0 /50 =	0	x \$250.00	<b>\$ \$0.00</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).				<b>\$</b>	
<b>CLAIMS</b>	<b>NUMBER FILED</b>	<b>NUMBER EXTRA</b>	<b>RATE</b>		
Total claims	5 - 20 =	0	x \$50.00	<b>\$ \$0.00</b>	
Independent claims	3 - 3 =	0	x \$200.00	<b>\$ \$0.00</b>	
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00				<b>\$ \$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ \$600.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<b>\$ \$300.00</b>	
<b>SUBTOTAL =</b>				<b>\$ \$300.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<b>\$ \$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ \$300.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				<b>\$ \$0.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ \$300.00</b>	
				<b>Amount to be</b>	<b>\$</b>
				<b>Amount to be</b>	<b>\$</b>

a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **50-1619**. A duplicate copy of this sheet is enclosed.

d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

**Licata & Tyrrell P.C.**  
66 East Main Street  
Marlton, New Jersey 08053  
Tel: 856-810-1515  
Fax: 856-810-1454

*Kathleen A. Tyrrell*  
\_\_\_\_\_  
SIGNATURE  
**Kathleen A. Tyrrell**  
\_\_\_\_\_  
NAME  
**38,350**  
\_\_\_\_\_  
REGISTRATION NUMBER

## CERTIFICATE OF EXPRESS MAILING

"Express Mail" Label No. **EV626224801US**

Date of Deposit: **October 28, 2005**

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.A. 1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

- 1) Transmittal Letter (in duplicate);
- 2) PCT International Application;
- 3) International Search Report;
- 4) Unexecuted Declaration and Power of Attorney;
- 5) USPTO Credit Card Payment Form authorizing payment in the amount of \$300.00 for filing fees;
- 6) Return Postcard.

  
Kathleen A. Tyrrell